SURFACE-MOUNT BACK BOX

MODEL; **VC-BBX**

INSTALLATION MANUAL

1 DESCRIPTION

VC-BBX is a surface-mount back box for Aiphone's VC-M Apartment Entry Security System
Models; **VC-0M, VC-1M, VC-2M, VC-4M, VC-8M & VC-10M**
 VCH-8, VCH-16(add-on panels)

VC-BBX can be assembled in multiples for such cases as VC-M unit is installed together
with VCH-8/16 add-on panel(s).

When mounting VC-nM/VCH panels to VC-BBX, back boxes supplied with each VC-nM/VCH
units are not used. Back illumination kit is not supplied with VC-BBX. If required, please use
the one supplied with VC-nM/VCH units.

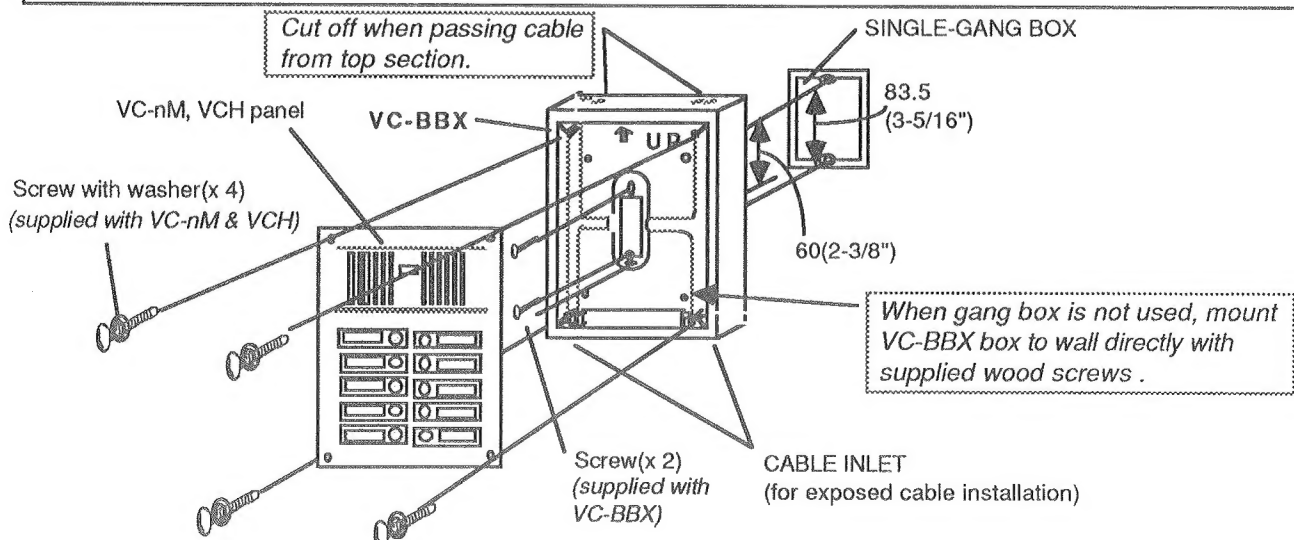*Mounting accessories;*
 Screw(x 2)   **Wood screw(x 2)**

 (for mounting to gang box)   (for mounting to wall surface)

2 INSTALLATION

(1) Mounting VC-nM panel to VC-BBX box;

Cut off when passing cable from top section.

SINGLE-GANG BOX

VC-nM, VCH panel   **VC-BBX**   ↑ UP

83.5
(3-5/16")

Screw with washer(x 4)
(supplied with VC-nM & VCH)

60(2-3/8")

When gang box is not used, mount VC-BBX box to wall directly with supplied wood screws .

Screw(x 2)
(supplied with VC-BBX)

CABLE INLET
(for exposed cable installation)
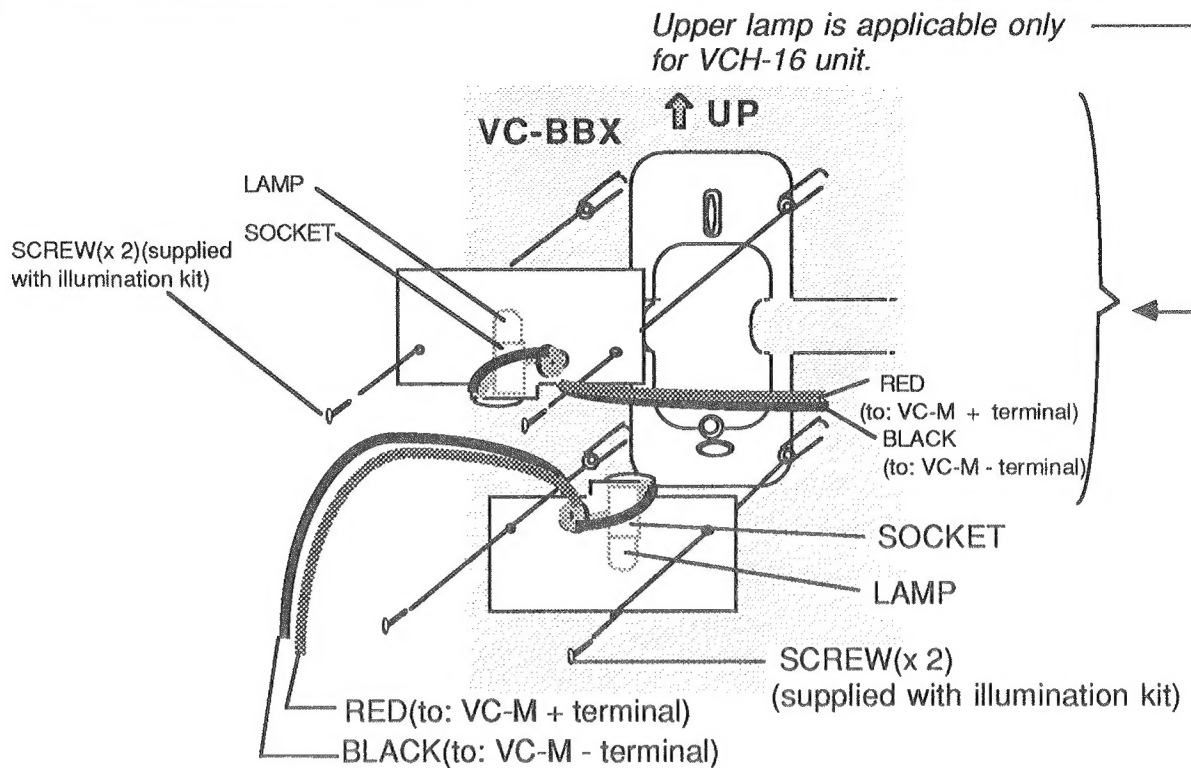
As shown, VC-BBX may be mounted on single-gang box or to wall directly. Two cable inlets are
provided at the bottom on VC-BBX, or may be introduced from top of VC-BBX, by removing either
of two inlet parts by a knife.

(2) Mounting illumination lamp;

Upper lamp is applicable only
for VCH-16 unit.

VC-BBX

⇧ UP

LAMP

SOCKET

SCREW(x 2)(supplied
with illumination kit)

RED
(to: VC-M + terminal)
BLACK
(to: VC-M - terminal)

SOCKET

LAMP

SCREW(x 2)
(supplied with illumination kit)

RED(to: VC-M + terminal)
BLACK(to: VC-M - terminal)

As shown, attach the back illumination lamp at the lower studs for VC-nM and VCH-8 units.

Attach the illumination plate to VC-BBX box
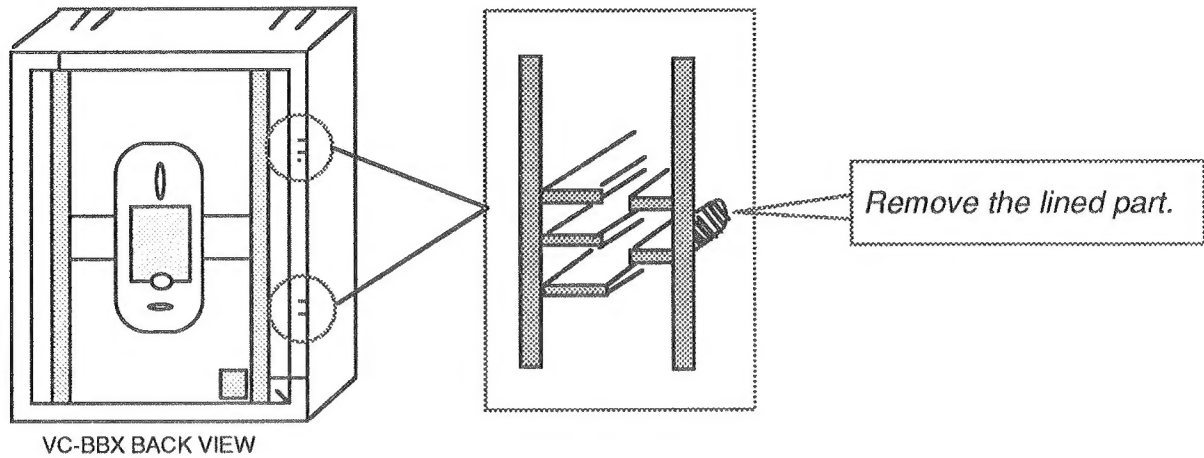in such a manner as the lamp is located
between VC-BBX and the plate.

VC-nM
VCH
panel

VC-BBX

LAMP

Illumination plate
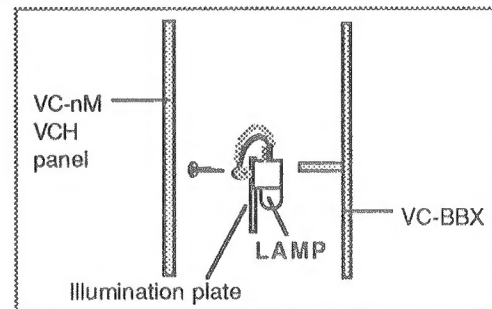
(3) Assemblying VC-BBX boxes;

① Separate connecting blocks from the VC-BBX box.

⇧ UP

Cut off at 4 points to
remove connecting
blocks.

VC-BBX BACK VIEW   CONNECTING BLOCKS   2
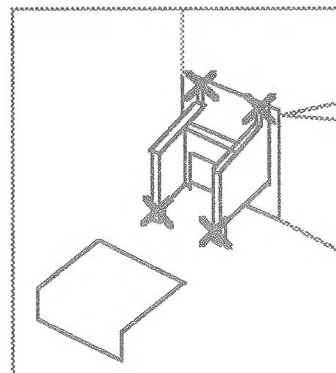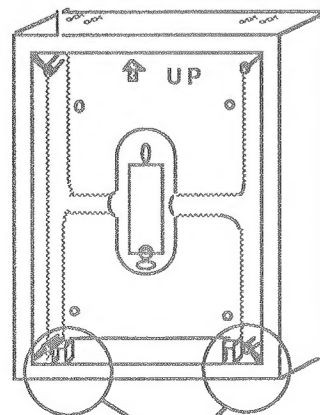
② Knock out outside walls, as shown.

VC-BBX BACK VIEW

Remove the lined part.

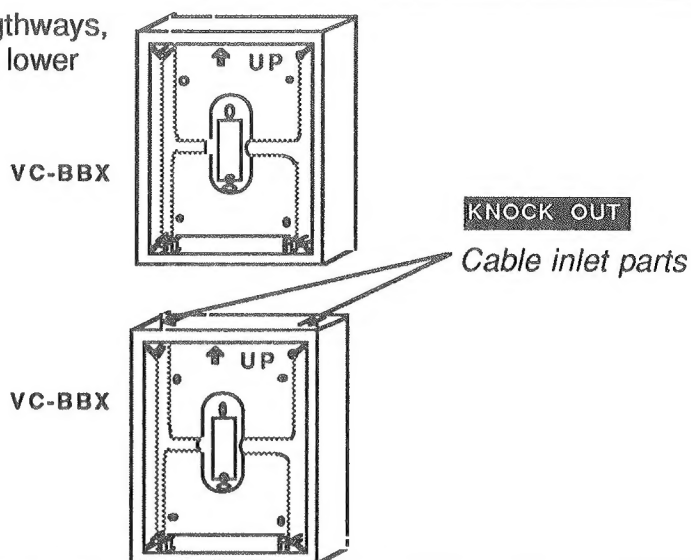③ Assemble two VC-BBX boxes with two connecting blocks.

VC-BBX BACK VIEW
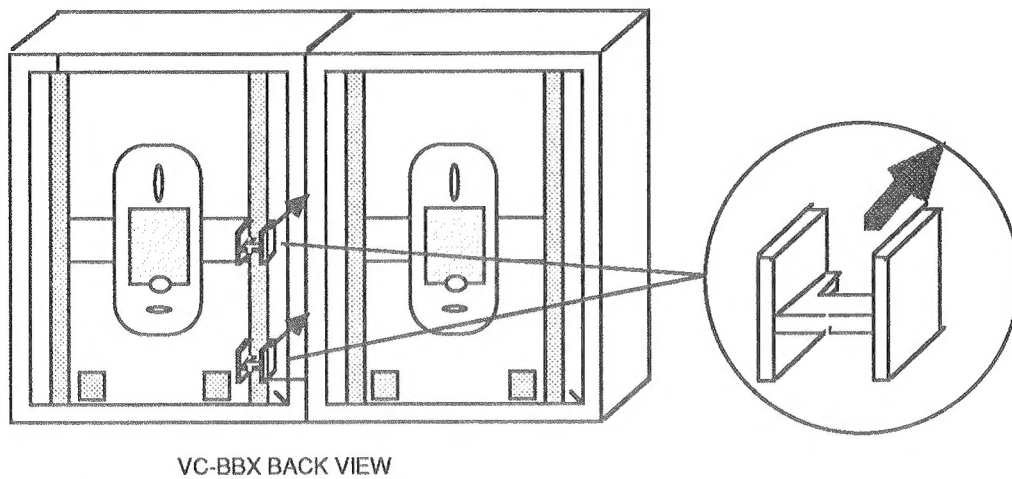
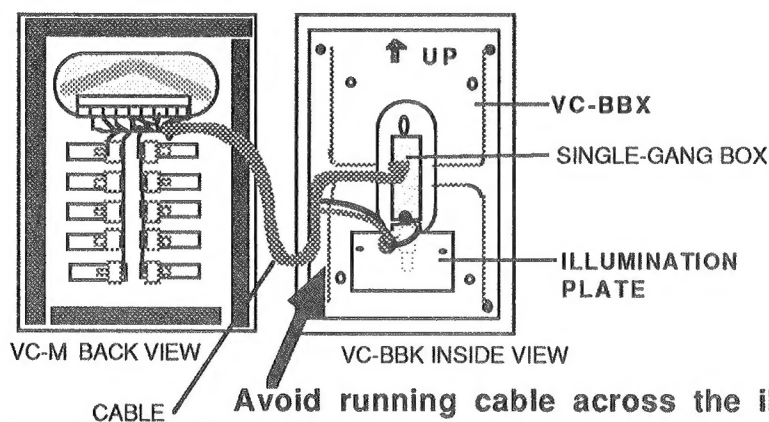④ After mounting VC-BBX box(es) to wall and wiring, attach VC-nM and VCH panels to VC-BBX(s).

UP   UP
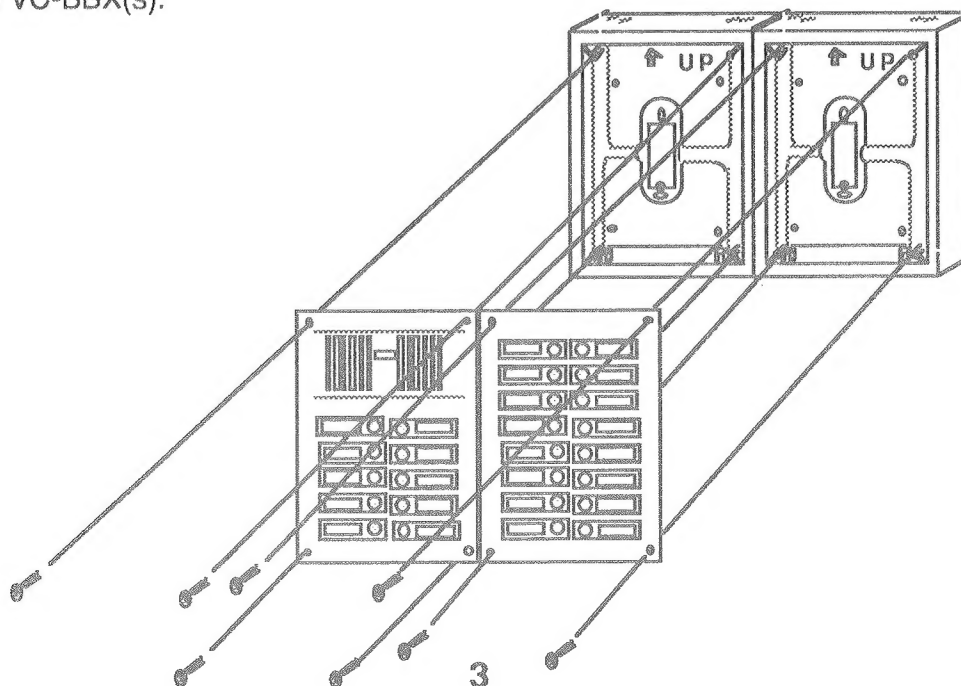
(4) PRE-INSTALLATION INSTRUCTIONS

(1) When assemblying VC-BBX boxes lengthways, knock out cable inlet parts on top of the lower VC-BBX box.

VC-BBX

KNOCK OUT

Cable inlet parts

VC-BBX

(2) Be careful that cable should be run so as not to be pinched by the illumination plate.

VC-M BACK VIEW

VC-BBK INSIDE VIEW

VC-BBX

SINGLE-GANG BOX

ILLUMINATION PLATE

CABLE

Avoid running cable across the illumination plate.

(3) To avoid worms, etc. from coming into the box, it is suggested that rags or sponges, etc. be put thru the cable inlets.

UP

VC-BBX

CONNECTING CABLE

VC-BBX INSIDE VIEW
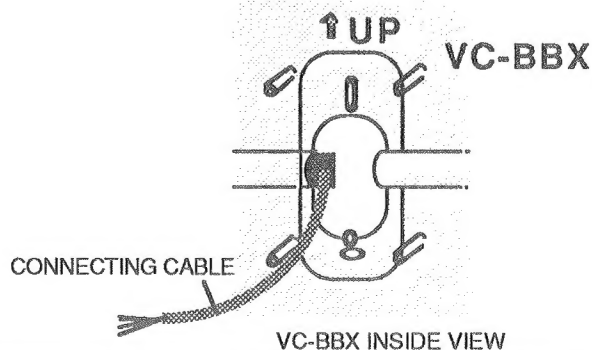
Dimensions: H: 264 x W: 190 x D: 52(mm)(10-3/8" x 7-1/2" x 2-1/16")
59mm(2-5/16") deep with VC-M panel mounted on VC-BBX.